

### Beyond Web: Agent based Publishing

Wide Area Information Servers, Inc



Brewster Kahle, President DAGS, June 1995



## Internet Publishing Today: Browsing

- World Wide Web
- Isolated Services
- Wired---CMP---Time Inc---Britannica



### **Customer Demands**

- What I want: Personalization
- How I want it: Packaged Delivery
- Single System: Aggregation
- Single Price: Understandable costs



### Agent Technology "Offers" it All:

- Automated Queries
- Vertical Market Packaging
- Aggregation (Starting to Appear)
- Easier Profiling (In research systems)
- Understandable Pricing (Uh, Someday)



### **NewsHound: Start**

#### MERCURY CENTER - Entering NewsHound Service



The Mercury Center NewsHound searches news articles and classifed ads from the San Jose Mercury News and other inform information sources and sends relevant documents to your electronic mail box. NewsHound Profiles search every hour aro around the clock so that you don't miss important information.

You can browse this area at no charge other than regular connect time. To use the NewsHound service, however, you must first register your screen name by calling toll free 1-800-818-NEWS.

A Charter subscription to NewsHound costs just \$4.95 per month for up to five profiles. That's half off the usual price of \$9.95 -- and you can try the service for 30 days at no extra charge.

Click "Continue" to proceed.

Cancel

Continue



### **NewsHound Profile**

MEI	CURY CENTER - Create NewsHound Profile
Use this form to	create, delete or change a NewsHound profile.
Enter "x" to:	× Create Delete Change
Profile title	The Web
Search:	× Articles Ads Both
Type relevant w	ords or phrases, separated by commas, in each box:
Possible terms	online, internet, web, netscape, mosaic, server, 公知 公司
Required terms	web
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Selectivity. Lea	ve blank for default or enter 1 to 100. See Help. 회
	Send Cancel Help



### **NewsHound Email Article**

#### [60] DELAHAYE GROUP TO OFFER NE 🗏

Date: Wed, 31 May 1995 15:50:23 -0800

To: brewster@wais.com

From: NewsHound@sjmercury.com (NewsHound)

Subject: [60] DELAHAYE GROUP TO OFFER NETBENCH: HIGH LEVEL WEB-SITE QUALITATIVE

ANALYSIS AND REPORTING; NETBENCH BUILDS ON SYSTEMS PROVIDED BY I

Selected by your NewsHound profile entitled "ONLINE SERVICES". The selectivity

score was 60 out of 100.

Delahaye Group To Offer NetBench: High Level Web-Site Qualitative Analysis and Reporting: NetBench Builds on Systems Provided by I/P

Delahaye Group To Offer NetBench: High Level Web-Site Qualitative Analysis and Reporting; NetBench Builds on Systems Provided by I/PRO and Internet Media Services

PORTSMOUTH, N.H.--(BUSINESS WIRE)--May 31, 1995--The Delahaye Group today announced NetBench(TM), a new qualitative analysis and reporting service for evaluating the effectiveness of Internet marketing programs on the World Wide Web.

Related Internet service offerings to enhance the NetBench capability were also announced, including analysis of effective web-site design, data capture features, and message communication. These services will build on systems provided by I/PROTM (Internet Profiles Corporation), San Francisco and Internet Media Services, Inc. (IMS), Palo Alto.

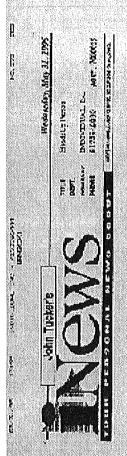
NetBench, the newest addition to Delahaye's range of qualitative, comprehensive measurement services, evaluates the effectiveness of marketing sites on the World Wide Web. The NetBench analysis service, building on data compiled by the



### **Email Delivery**

■ Re- hpcwire HPCwire The E-zine for High Performance Computing and Commercial Processing \*\*\* November 23, 1994: Vol. 3, No. 46 Circulation: 18,781 \*\*\* This Week's Table of Contents Represents 201 Pages of Text Article Retrieval instructions at end of this file <more@hpcwire.tqc.com>. The Portland Group (PGI) is now shipping its High Performance Fortran (HPF) compiler. For more information, see the PGI home page at <a href="http://www.paroup.com">http://www.paroup.com</a> or retrieve the following HPCwire articles: 4815) Special PGI Program Promotes Parallel Computing in Education 4817) First Production Release of pghpf Compiler from PGI 4822) PGI Announces HPF Compilers on Silicon Graphics Systems 932) The Portland Group Backgrounder and Fact Sheet \_\_\_\_\_ IN THIS ISSUE \_ 1520) Two Faces of New Congress Will Weigh Future of HPCC and NII 4879) 1994 Gordon Bell Award Winners Announced at Supercomputing 194 1521) FEATURE: Making the NII Real, SC194 Keynote by Edward R. McCracken For a free 6-week trial subscription, email: <trial@hpcwire.tqc.com> SPECIAL SUPERCOMPUTING 194 SUPPLEMENT 950) We missed you at SC194 and you still have a second chance! To access the LIVEwire daily coverage issues of SC194, retrieve <950>. Lines GORDON BELL AWARD WINNERS

# Individual Inc FAX Alerts



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### **Individual Email Alerts**

🗏 First! 02-23-95 (9 stories) <0B 🗮

Date: Thu, 23 Feb 1995 04:02:29 -0500

From: first@woolf.individual.com

To: Brewster@wais.com

Subject: First! 02-23-95 (9 stories) <0BUM97PW> [Indiv4]

Thursday, February 23, 1995

First! First! First! First! First! First! First! First! (tm) 

-- Specialized Knowledge for the Enterprise (C) 1995 by Individual, Inc.

PROFILE TITLE: Industry Awareness Rpt./Info. Svc. Overview

CUSTOMIZED BY: INDIVIDUAL, Inc.

12.430 Stories Received Todau: 9 Relevant To Your Profile:

- 1. SEYBOLD SEMINARS BOSTON 95 EXPOSITION HIGHLIGHTS REAL-WORLD EXAMPLES OF PUBLISHING ACHIEVEMENTS
- 2. TRIBUNE FORMS TRIBUNE VENTURES UNIT
- CYBERSPACE/ WHERE THE WOMEN AREN'T! COMPUTERS & TECHNOLOGY
- 4. MCGRAW-HILL ESTABLISHES NEW INFORMATION SERVICES GROUP FOCUSING ON CORE INFORMATION PRODUCTS AND NEW MEDIA -- NEWLY INTEGRATED CORPORATE DEVELOPMENT DEPARTMENT ALSO ANNOUNCED
- 5. SPECTRUM INFORMATION TECHNOLOGIES FILES 10-Q FOR THIRD QUARTER
- 6. CAERE SHIPS PAGEKEEPER 2.0 FOR WINDOWS
- STANFORD UNIVERSITY RESEARCHERS DESIGNING ADVANCED INTERNET TOOLS
- 8. AMERICA ONLINE INC DEL UP 1.19 TO 67.69 ON VOLUME OF 472,700 SHARES



# Individual Inc Setup

# TOPIC SELECTION FORM

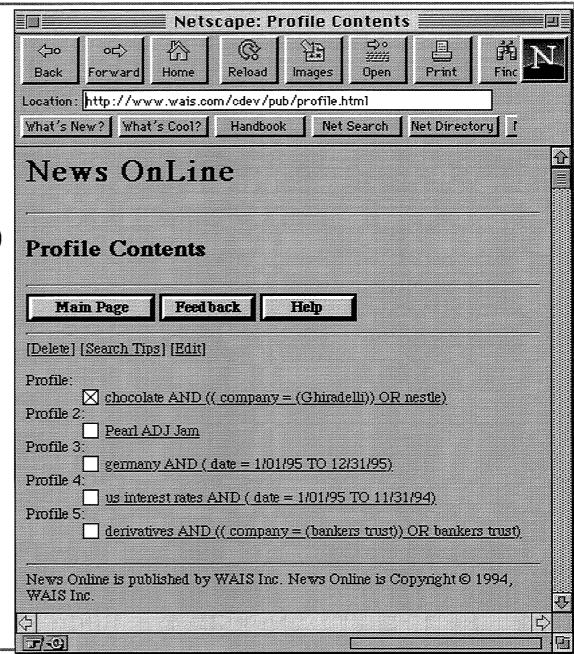
Please complete and fax a copy of this form to 1-800-417-1000 to begin receiving HeadsUp.

THS, phase empter my percent points based on the information balance and another flexibility cows high every weekday. REBLECTO days the physics the morality after you receive my express). I wait note as many full-countries as I need, which are also the turing my into period. To take full advantage of the orbity please select at least fire angles cooks.

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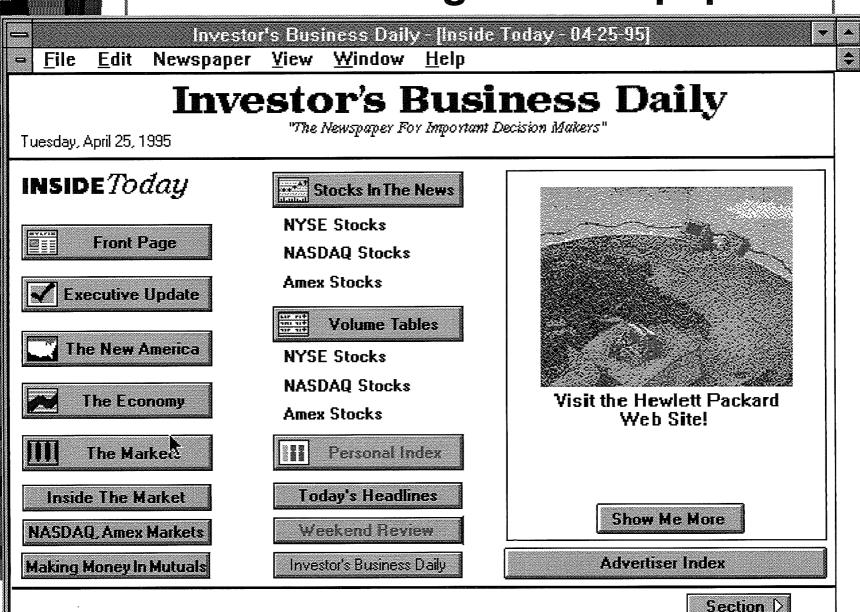


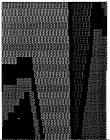
### WAIS Email Alert Setup



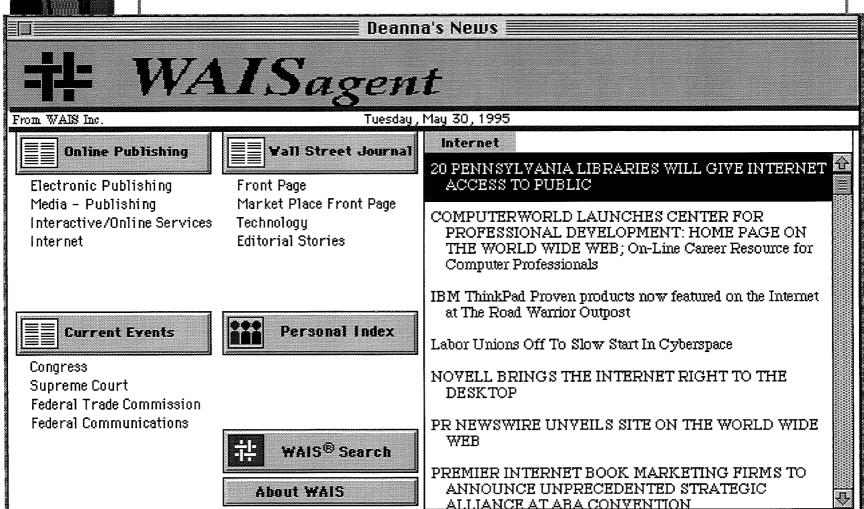


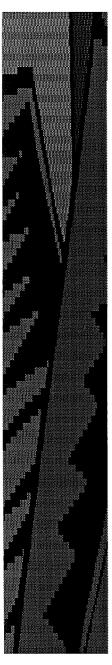
### **Ensemble Digital Newspaper**



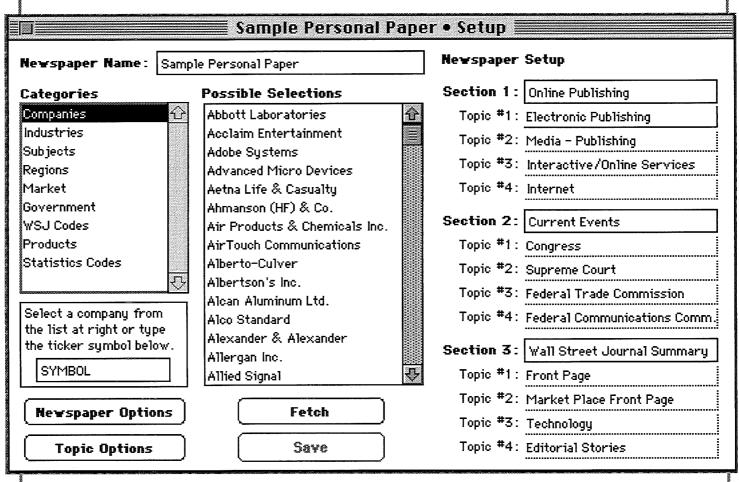


### **WAISagent Personal Newspaper**

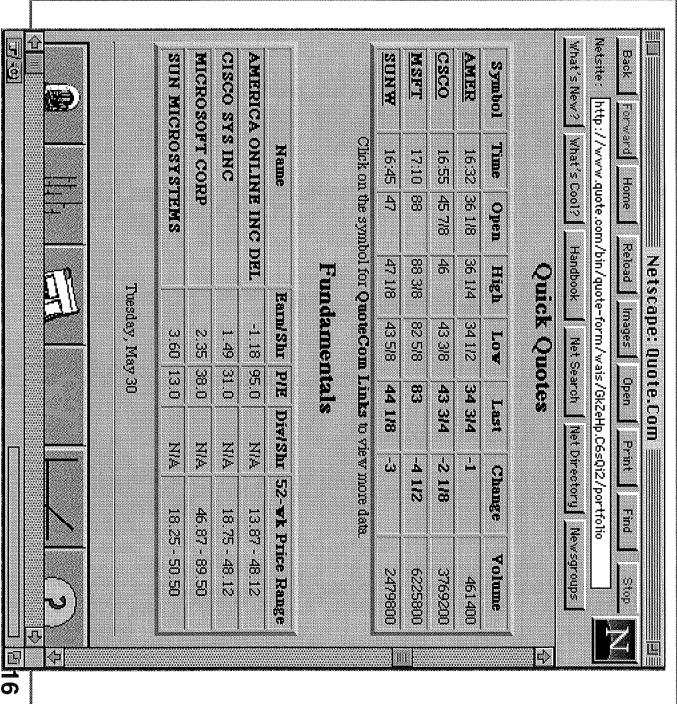


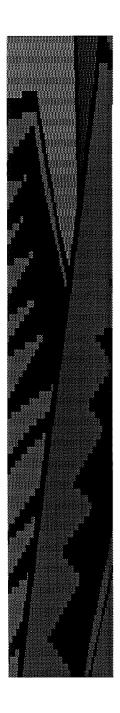


### **WAISagent Setup**





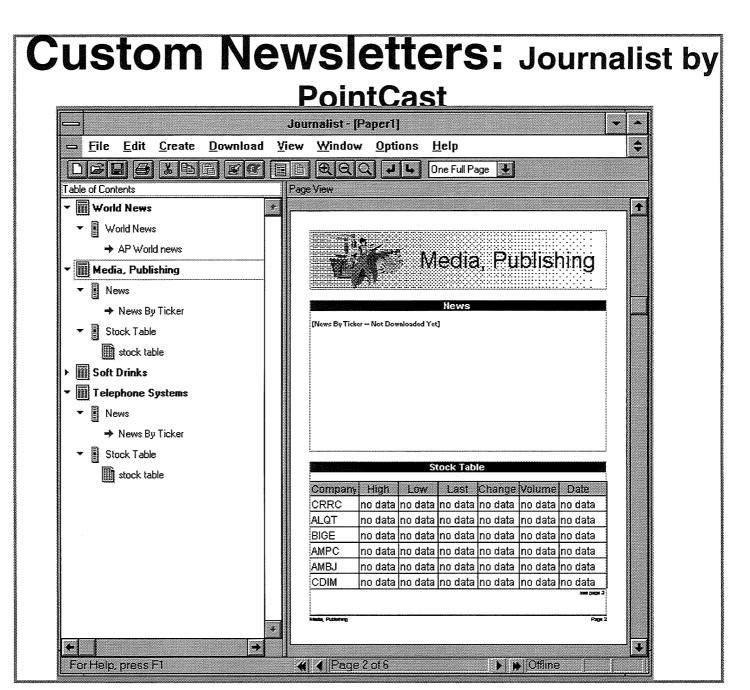


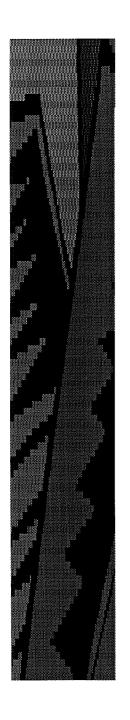


### **Quote.com's Email Alerting**

#### QuoteCom Staff,5:05 PM -0700,QuoteCom Portfolio Report Subject: QuoteCom Portfolio Report Date: Tue, 30 May 1995 17:05:39 -0700 From: QuoteCom Staff <staff@quote.com> To: quote\_com@wais.com Subject: QuoteCom Portfolio Report Tuesday May 30 Quantitu Close Change Value Sumbol Change **AMER** 0.00034.7500 -1.00000.000 43.7500 -2.1250CSCO83.0000 -4.5000MSFT 0.000 SUNW 0.000 44.1250 -3.0000Ø Й 0 Totals MarketScope, BusinessWire, PR Newswire, S&P News items for your portfolio today: B #236463 CSC0 TCG Selects Cisco LightStream 2020 As Exclusive Enterprise ATM Wang and Microsoft close worldwide strategic alliance; Microso #238432 MSFT ADVISORY/Today's competitive market place requires new business #237631 SUNW P #237591 SUNW HADCO CORPORATION ANNOUNCES RECEIPT OF MULTI-MILLION DOLLAR BAC B #236579 SUNW SunService Expands and Enhances Sun Asset Survey Reporting Serv B #236573 SUNW SunService unveils support services for Solaris migration; desi News stories can be retrieved by sending:







### **Agent Progress**

- Quote.com: Financial Services
- NewsHound: Email Alerting
- Individual Inc: FAX and Email, Human editors
- PointCast: Bringing Customized Layout
- WAIS Inc: Ascii Email, Personal Digital Newspapers

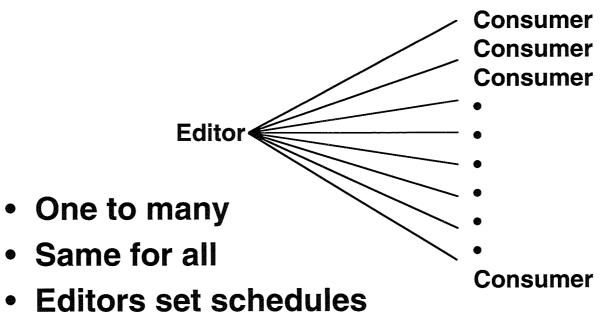


### **Future Directions in Agents**

- Refinement of "mission": Everyone is an Editor
  - Music Selection: Ringo by MIT
  - Video Selection: BellCorp
- Aggregation from Multiple sources
  - Centralization (eg. Dialog, Individual, InfoSeek)
  - Robot Gatherers: Webcrawler, Yahoo
  - Search Protocols (Z39.50, PLS, OpenText)
- Adaptive Refinement of Mission: not yet.

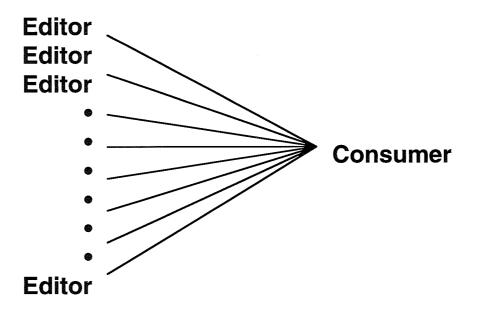


### **Publishing of Old: Push**





### Agent Publishing: Consumer Pull



- Integrated access to multiple sources
- Personal preferences drives the flow
- Easy Delivery



# **Contact Information**

- info@wais.com, http://www.wais.com
- Brewster@wais.com
- 415-356-5400

